

## **Sensors for pH Measurement**

Energy

Water



### SE 560 pH Sensor

For low-conductivity media or low temperatures, refillable liquid electrolyte

Precise measurements due to self-cleaning junctions with high outflow of electrolyte even for media of very low conductivity. Measurement at low temperatures possible thanks to a special low-impedance glass.

#### **Applications**

Ultrapure water, drinking water, boiler feed water in power plants, cooling brine

#### **Facts**

- Precise measurement under difficult conditions (low conductivity, contaminations)
- Integrated temperature detector
- Measurement at low temperatures
- 3 ceramic junctions
- VP screw cap

#### **Specifications**

pH:  $0 \dots 14$ Temperature:  $-20 \dots +80 \,^{\circ}$ C

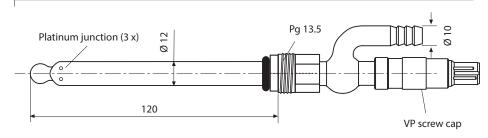
Pressure: Unpressurized

Temperature detector: Pt 1000

Sensor material: Low-impedance standard pH glass, fast response Reference system: Liquid electrolyte, refillable, Ag/AgCl system

Junction:Platinum (3 x)Immersion depth:120 mmSensor cap:VP (VarioPin)

#### **Dimension Drawing**



All dimensions in mm

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Product Range		Order No.
SE 560 pH sensor	Length 120 mm	SE 560
Accessories		Order No.
VP6-ST cable	3 m	ZU 0313
	5 m	ZU 0314
	10 m	ZU 0315
	20 m	ZU 0584
Buffer Solutions (20° C)	Quantity	Order No.
pH value 2.00 ± 0.02	250 ml	CS-P0200/250
pH value 4.00 ± 0.02	250 ml	CS-P0400/250
	1000 ml	CS-P0400/100
	3000 ml	CS-P0400/300
pH value 7.00 ± 0.02	250 ml	CS-P0700/250
	1000 ml	CS-P0700/100
	3000 ml	CS-P0700/300
pH value 9.00 ± 0.02	250 ml	CS-P0900/250
	1000 ml	CS-P0900/100
	3000 ml	CS-P0900/300
pH value 12.00 ± 0.05	250 ml	CS-P1200/250
Electrolyte	250 ml	ZU 0591
Electrolyte reservoir		ZU 0321
Equipotential bonding electrode	Platinum; for monitoring the reference system of the pH sensor or for simultaneous ORP measurement	ZU 0073



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ZU 0321 electrolyte reservoir

Material: Hard PVC, transparent

Useful capacity: 300 ml

Pressure: Unpressurized

Sensor locations: 1 x Pg 13.5 for use as electrolytic key

Hose connection: Coupling for 4/6 x 1 mm hose (5-m hose 4/6 x 1,

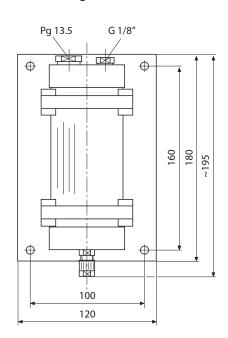
PVC, and adapter for 10-mm hose clip, included in shipment)

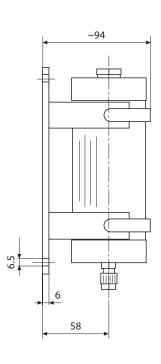
Refill: G 1/8" hole with screw plug

Assembly: Wall holder

#### **Dimension drawing:**







All dimensions in mm